



OIEP

RAW SEQUENCE LISTING

DATE: 01/19/2002

PATENT APPLICATION: US/10/038,517

TIME: 11:53:21

Input Set : A:\LEX-0293-USA SEQLIST.txt

Output Set: N:\CRF3\01182002\J038517.raw

ENTERED

4 <110> APPLICANT: Yu, Xuanchuan
 5 Turner, C. Alexander Jr.
 7 <120> TITLE OF INVENTION: Novel Human Lipase and Polynucleotides Encoding the Same
 9 <130> FILE REFERENCE: LEX-0293-USA
 11 <140> CURRENT APPLICATION NUMBER: US/10/038,517
 11 <141> CURRENT FILING DATE: 2002-01-03
 11 <150> PRIOR APPLICATION NUMBER: US 60/259,830
 12 <151> PRIOR FILING DATE: 2001-01-05
 14 <160> NUMBER OF SEQ ID NOS: 2
 16 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 1404
 20 <212> TYPE: DNA
 21 <213> ORGANISM: homo sapiens
 23 <400> SEQUENCE: 1
 24 atgcttgga tttggattgt tgcattcttg ttctttggca catcaagagg aaaagaagtt 60
 25 tgcctatgaaa ggtaggggtg ttcaaagat ggtttaccat ggaccaggac tttctcaaca 120
 26 gagttggtag gtttaccctg gtctccagag aagataaaca ctggtttcct gctctacact 180
 27 atacacaatc ccaatgccta tcaggagatc agtgcggtta attcttcaac tatccaagcc 240
 28 tcatattttg gaacagacaa gatcaccogt atcaacatag ctggatggaa aacagatggc 300
 29 aaatggcaga gagacatgtg caatgtgttg ctacagctgg aagatataaa ttgcattaat 360
 30 ttgattgga tcaacggttc acgggaatac atccatgctg taaacaatct ccgtgttggt 420
 31 ggtgctgagg tggttatttt tattgatgtt ctcatgaaaa aatttgaata ttcccttct 480
 32 aaagtgcact tgattggcca cagcttggga gcacacctgg ctggggaagc tgggtcaagg 540
 33 ataccaggcc ttggaagaat aactgggttg gaccagctg ggccattttt ccacaacact 600
 34 ccaaagggaag tcaggctaga cccctcggat gccaaacttg ttgacgttat tcatacaaat 660
 35 gcagctcgca tctcttttga gcttgggtgtt ggaaccattg atgcttgttg tcatcttgac 720
 36 ttttacccaa atggaggga gacatgccca ggatgtgaag acttaattac acctttactg 780
 37 aaatttaact tcaatgctta caaaaaagaa atggcttctt tctttgactg taaccatgcc 840
 38 cgaagttatc aattttatgc tgaaagcatt cttaatcctg atgcatttat tgcttatcct 900
 39 tgtagatcct acacatcttt taaagcagga aattgcttct tttgttccaa agaaggttgc 960
 40 ccaacaatgg gtcattttgc tgatagattt cacttcaaaa atatgaagac taatggatca 1020
 41 cattattttt taaacacagg gtccctttcc ccatttgccc gttggaggca caaattgtct 1080
 42 gttaaactca gtggaagcga agtcaactcaa ggaactgtct ttcttcgtgt aggcggggca 1140
 43 attgggaaaa ctggggagtt tgccattgtc agtggaacac ttgagccagg catgacttac 1200
 44 acaaaaattaa tcgatgcaga tgtaaacgtt ggaaacatta caagtgttca gttcatctgg 1260
 45 aaaaaacatt tgtttgaaga ttctcagaat aagttgggag cagaaatggt gataaatata 1320
 46 tctgggaaat atggatataa atctaccttc tgtagccaag acattatggg acctaatatt 1380
 47 ctccagaacc tgaaaccatg ctaa 1404
 49 <210> SEQ ID NO: 2
 50 <211> LENGTH: 467
 51 <212> TYPE: PRT
 52 <213> ORGANISM: homo sapiens

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54 <400> SEQUENCE: 2

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55 Met Leu Gly Ile Trp Ile Val Ala Phe Leu Phe Phe Gly Thr Ser Arg
56 1 5 10 15
57 Gly Lys Glu Val Cys Tyr Glu Arg Leu Gly Cys Phe Lys Asp Gly Leu
58 20 25 30
59 Pro Trp Thr Arg Thr Phe Ser Thr Glu Leu Val Gly Leu Pro Trp Ser
60 35 40 45
61 Pro Glu Lys Ile Asn Thr Arg Phe Leu Leu Tyr Thr Ile His Asn Pro
62 50 55 60
63 Asn Ala Tyr Gln Glu Ile Ser Ala Val Asn Ser Ser Thr Ile Gln Ala
64 65 70 75 80
65 Ser Tyr Phe Gly Thr Asp Lys Ile Thr Arg Ile Asn Ile Ala Gly Trp
66 85 90 95
67 Lys Thr Asp Gly Lys Trp Gln Arg Asp Met Cys Asn Val Leu Leu Gln
68 100 105 110
69 Leu Glu Asp Ile Asn Cys Ile Asn Leu Asp Trp Ile Asn Gly Ser Arg
70 115 120 125
71 Glu Tyr Ile His Ala Val Asn Asn Leu Arg Val Val Gly Ala Glu Val
72 130 135 140
73 Ala Tyr Phe Ile Asp Val Leu Met Lys Lys Phe Glu Tyr Ser Pro Ser
74 145 150 155 160
75 Lys Val His Leu Ile Gly His Ser Leu Gly Ala His Leu Ala Gly Glu
76 165 170 175
77 Ala Gly Ser Arg Ile Pro Gly Leu Gly Arg Ile Thr Gly Leu Asp Pro
78 180 185 190
79 Ala Gly Pro Phe Phe His Asn Thr Pro Lys Glu Val Arg Leu Asp Pro
80 195 200 205
81 Ser Asp Ala Asn Phe Val Asp Val Ile His Thr Asn Ala Ala Arg Ile
82 210 215 220
83 Leu Phe Glu Leu Gly Val Gly Thr Ile Asp Ala Cys Gly His Leu Asp
84 225 230 235 240
85 Phe Tyr Pro Asn Gly Gly Lys His Met Pro Gly Cys Glu Asp Leu Ile
86 245 250 255
87 Thr Pro Leu Leu Lys Phe Asn Phe Asn Ala Tyr Lys Lys Glu Met Ala
88 260 265 270
89 Ser Phe Phe Asp Cys Asn His Ala Arg Ser Tyr Gln Phe Tyr Ala Glu
90 275 280 285
91 Ser Ile Leu Asn Pro Asp Ala Phe Ile Ala Tyr Pro Cys Arg Ser Tyr
92 290 295 300
93 Thr Ser Phe Lys Ala Gly Asn Cys Phe Phe Cys Ser Lys Glu Gly Cys
94 305 310 315 320
95 Pro Thr Met Gly His Phe Ala Asp Arg Phe His Phe Lys Asn Met Lys
96 325 330 335
97 Thr Asn Gly Ser His Tyr Phe Leu Asn Thr Gly Ser Leu Ser Pro Phe
98 340 345 350
99 Ala Arg Trp Arg His Lys Leu Ser Val Lys Leu Ser Gly Ser Glu Val
100 355 360 365
101 Thr Gln Gly Thr Val Phe Leu Arg Val Gly Gly Ala Ile Gly Lys Thr
102 370 375 380

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```

103 Gly Glu Phe Ala Ile Val Ser Gly Lys Leu Glu Pro Gly Met Thr Tyr
104 385                      390                      395                      400
105 Thr Lys Leu Ile Asp Ala Asp Val Asn Val Gly Asn Ile Thr Ser Val
106                      405                      410                      415
107 Gln Phe Ile Trp Lys Lys His Leu Phe Glu Asp Ser Gln Asn Lys Leu
108                      420                      425                      430
109 Gly Ala Glu Met Val Ile Asn Thr Ser Gly Lys Tyr Gly Tyr Lys Ser
110                      435                      440                      445
111 Thr Phe Cys Ser Gln Asp Ile Met Gly Pro Asn Ile Leu Gln Asn Leu
112                      450                      455                      460
113 Lys Pro Cys
114 465

```

VERIFICATION SUMMARY

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Input Set : A:\LEX-0293-USA SEQLIST.txt

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L:11 M:270 C: Current Application Number differs, Replaced Current Application No

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date